

Remarks begin on page 9 of this paper.

AMENDMENT TO THE SPECIFICATION

On page 1, please replace the paragraph beginning at line 3 with the following paragraph:

-- The present application is a continuation-in-part of U.S. Patent Application Serial No. 09/758,282, filed 01/11/01, which issued as U.S. Patent No. 6,635,463 on 10/21/03, which is a continuation in part of U.S. Patent Application Serial No. 09/577,304, filed 05/24/00, which issued as U.S. Patent No. 6,759,226 on 07/06/04, and ~~09/758,282~~ and is a continuation-in-part of U.S. Patent Application Serial No. 09/350,309, filed 07/09/99, which issued as U.S. Patent No. 6,348,314 on 02/19/02 and which is a divisional application of U.S. Patent ~~a~~Application Serial No. 08/756,386, filed 11/26/96, which issued as U.S. Patent No. 5,985,557 on 11/16/99, and is also a continuation-in-part of co-pending ~~a~~Application ~~s~~Serial ~~n~~No. 09/381,212, filed 02/08/00, which is a national entry of PCT ~~a~~Application ~~n~~No. US 98/05809, which claims priority to U.S. ~~Patent~~ Application Serial Nos. 08/823,516, filed 03/24/97, which issued as U.S. Patent No. 5,994,069 on 11/30/99, 08/759,038, filed 12/21/96, which issued as U.S. Patent No. 6,090,543 on 07/18/00, 08/756,386, filed 11/26/96, which issued as U.S. Patent No. 5,985,557 on 11/16/99, 08/682,853, filed 07/12/96, which issued as U.S. Patent No. 6,001,567 on 12/14/99, and 08/599,491, filed 01/24/96, which issued as U.S. Patent No. 5,846,717 on 12/08/98, and PCT ~~a~~Application ~~n~~No. US 97/01072, filed on 01/21/97. --

On page 58, please replace the paragraph beginning at line 27 with the following paragraph:

-- Figures 22A and B shows schematic diagrams for model substrates used to test enzymes for cleavage activity on alternative, non-invasive structures. --

On page 59, please replace the paragraph beginning at line 1 with the following paragraph:

-- Figures 24A and B shows schematic diagrams for a model substrate used to test enzymes for invasive cleavage activity on RNA or DNA target strands. --